This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-6 (Canceled).

Claim 7 (Currently Amended): An edge roller assembly, comprising:

a lower clamp plate;

an upper clamp plate having a receiving surface, a central throughhole for receiving a drive shaft, a plurality of threaded holes, and a plurality of fingers, the plurality of fingers extending from an upper surface of the upper clamp plate;

a first grip ring; and

a second grip ring seated against the receiving surface of the upper clamp plate, the first and second grip rings being disposed between the lower and upper clamp plates in an opposing relationship such that outer surfaces thereof define a groove for receiving an edge of a substrate, and the lower and upper clamp plates being adjustably fastened together so that clamping forces the lower and upper clamp plates exert on the first and second grip rings can be controlled.

Claim 8 (Original): The edge roller assembly of claim 7, wherein the lower clamp plate is a ring having a surface for receiving the first grip ring and a plurality of holes configured to receive a screw head.

Claim 9 (Canceled).

Claim 10 (Currently Amended): The edge roller assembly of claim ~~9~~ 7, further comprising:

a height adjustment knob rotatably disposed on the plurality of fingers extending from the upper surface of the upper clamp plate, the height adjustment knob having a threaded hole formed therein for receiving a threaded portion of the drive shaft.

Claim 11 (Original): The edge roller assembly of claim 7, wherein the first and second grip rings are O-rings comprised of a rubber material.

Claim 12 (Original): The edge roller assembly of claim 11, wherein the rubber material has a Shore A hardness in a range from about 40 to about 90.

Claim 13 (Original): The edge roller assembly of claim 12, wherein the rubber material is selected from the group consisting of VITON rubber, polyurethane rubber, EPDM rubber, and fluoropolymer rubber.

Claim 14 (Original): The edge roller assembly of claim 10, wherein the lower clamp plate, the upper clamp plate, and the height adjustment knob are comprised of polyethylene terephthalate.

Claims 15-20 (Canceled).

Claim 21 (New): A transport system for transporting semiconductor wafers to a wafer processing station, comprising:

a pair of edge roller assemblies disposed in an opposing relationship, each of the pair of edge roller assemblies being disposed on a rotatable drive shaft, and each of the pair of edge roller assemblies including

a lower clamp plate;

an upper clamp plate having a receiving surface, a central throughhole for receiving the rotatable drive shaft, a plurality of threaded holes, and a plurality of fingers, the plurality of fingers extending from an upper surface of the upper clamp plate;

a first grip ring; and

a second grip ring seated against the receiving surface of the upper clamp plate, the first and second grip rings being disposed between the lower and upper clamp plates in an opposing relationship such that outer surfaces thereof define a groove for receiving an edge of a substrate, and the lower and upper clamp plates being adjustably fastened together so that clamping forces the lower and upper clamp plates exert on the first and second grip rings can be controlled.

Claim 22 (New): The transport system of claim 21, wherein the lower clamp plate in each of the pair of edge roller assemblies is a ring having a surface for receiving the first grip ring and a plurality of holes configured to receive a screw head.

Claim 23 (New): The transport system of claim 21, wherein each of the pair of edge roller assemblies further comprises:

a height adjustment knob rotatably disposed on the plurality of fingers extending from the upper surface of the upper clamp plate, the height adjustment knob having a threaded hole formed therein for receiving a threaded portion of the rotatable drive shaft.

Claim 24 (New): The transport system of claim 21, wherein the first and second grip rings in each of the pair of edge roller assemblies are O-rings comprised of a rubber material.

Claim 25 (New): The transport system of claim 24, wherein the rubber material has a Shore A hardness in a range from about 40 to about 90.

Claim 26 (New): The transport system of claim 25, wherein the rubber material is selected from the group consisting of VITON rubber, polyurethane rubber, EPDM rubber, and fluoropolymer rubber.

Claim 27 (New): The transport system of claim 23, wherein the lower clamp plate, the upper clamp plate, and the height adjustment knob in each of the pair of edge roller assemblies are comprised of polyethylene terephthalate.